Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Monday 17 Jul 2023 until 23:59 on Tuesday 18 Jul 2023

Forecast Issued on Sunday 16 Jul 2023 at 15:09

Confidence: High for the continuing unsettled and rather cool theme this week, but lower for shower distribution and cloud details.

Headline for Monday 17 Jul 2023: Sunny spells and heavy thundery showers, these easing during the afternoon.

Mountain weather hazards on Monday 17 Jul 2023

Blizzards
No Likelihood

Gales
No Likelihood

Thunderstorms
Medium Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
No Likelihood

Heavy persistent rain
Low Likelihood

Storm force winds
No Likelihood

Poor visibility
Low Likelihood

Strong sunlight
High Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Heavy rain showers (night)	Heavy rain showers (night)	Thunderstorm	Thunderstorm	Heavy rain showers	Light rain showers	Sunny intervals	Partly cloudy (night)
Precipitation probability							
30%	30%	40%	40%	30%	20%	10%	<05%

Forecast for Monday 17 Jul 2023

Weather: Scattered showers continuing overnight and through the morning, these occasionally heavy and thundery at first. Showers becoming lighter and less frequent during the afternoon, then dying away completely by early evening. Largely cloudy at first, but sunny spells developing during the morning. Winds lighter than Sunday.

Chance of cloud-free hill tops above 600m: 40% at first, becoming near 100% by lunchtime.

Low cloud and visibility: Visibility generally good, but poor in heavier showers, and very poor in low cloud covering the hills with nearby landmarks obscured. Periods of cloud with base 500-600m at first, mainly in heavier showers. This lifting during the morning to be above the peaks.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Met Office Mountain Weather Forecast

Forecast for Monday 17 Jul 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	18/25 SW	18/24 SW	16/21 SW	16/23 SW	17/25 W	19/27 W	15/21 W	11/16 W	9/13 SW
300	13/21 SW	13/20 SW	12/18 SW	12/18 SW	12/18 W	15/23 W	11/17 W	7/11 W	7/10 SW
Valley	8/19 SW	8/18 SW	8/16 SW	9/18 W	9/18 W	13/24 W	9/18 W	4/10 W	4/9 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	9/6	9/5	9/6	10/7	11/8	13/9	12/9	11/8	10/8
300	11/9	11/8	11/9	13/10	14/11	15/12	15/13	13/12	12/11
Valley	12/10	11/10	12/10	13/12	15/13	17/14	16/14	13/12	11/11
Freezing Level*	2000m	2000m	2000m	2000m	2000m	1900m	1800m	1900m	2000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A day of two halves, so layers may be needed. Generally cloudy with some heavy showers at first, but this giving way to allow plenty of strong sunshine by the afternoon.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Sun 16 Jul 2023	16.2mm	27mm	30mm

Forecast for Tuesday 18 Jul 2023

Weather: Mostly clear through the early hours, but clouding over towards dawn. Outbreaks of rain during the morning, mainly in the northwest of the Park, becoming more widespread during the afternoon and evening. Rain perhaps heavy at times.

Maximum wind: Southwest 10-15 mph, gusting 20-25 mph.

Chance of cloud-free hill tops above 600m: 100% becoming 70% during the morning, then 40% during the afternoon.

Low cloud and visibility: Cloud increasing during the day, with periods around 500-600m. Visibility moderate to poor in rain, very poor in low cloud covering the hills, but good away from cloud and rain.

Temperature: **Valleys:** Plus 9C becoming plus 18C
At 600m: Plus 11C
Freezing level: Above the summits.

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